Krause BlueFin LowChem with Clean Process Kit

- High performance Violet LowChem plate processor for large volume newspaper application
- Available in 650, 850 and 1,250 mm working width
- Clean Process for clean plates and longer chemistry lifetime
- Suitable for high quality applications and screenings
- Up to 400 plates/h at constant quality
- Reduction of energy costs of up to 50%
- High production security by monitoring of all flow rate parameters with the FlowControl System
- Robust stainless steel bath with more than 100 l for less cleaning and maintenance

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BlueFin LowChem with Clean Process Kit
The HighEnd benchmark for all chemical reduced polymer plates.

The BlueFin LowChem is a high class plate processor for chemical reduced polymer printing plates and the use of modern standards in newspaper production, for example high resolution and FM screening. This process uses less chemicals and has no need for regeneration, rinse and extra gumming.

It is optimised by Clean Process as the plates will leave the processor clean with a perfect image contrast on the plate and components following behind will not be polluted by dirty chemical particles. Additionally Clean Process allows for a longer bath life and reduces maintenance. Although BlueFin LowChem is very compact in size it provides with a 100 l basis tank plus optional extension a larger plate volume per filling.
This represents another step towards a fully automatic, industrial newspaper and commercial production.

TECHNICAL DATA	BLUEFIN LOWCHEM SOLUTION	CUSTOMER ADVANTAGE
Supported plate types	All common chemical reduced polymer plates	Independence from plate type / supplier
Plate Width	Min. 270 mm (10.63“)	Reliable processing even with Web Width Reduction
Plate format	650 mm / 850 mm / 1,250 mm (25.59“ / 33.46“ / 49.21“) in working width	Plate orientation crossways or long direction even with small plates
Plate thickness	0.25 – 0.4 mm (0.01“ - 0.015“)	All common newspaper thicknesses can be processed
Production speed	80 – 240 cm/min (31.5“ - 94.49“/min.)	Reliable and fast processing with up to 400 plates/h
Construction	Stainless steel bath, robust chain drive for rollers and brushes	Easy cleaning, longevity of processor, low wear and tear
Roller / brush set up	Memory Locks for rollers and brushes	Reliable and fast adjustment after cleaning
Rollers	80 mm diameter, all rollers can be used in all positions	High production safety, reduced wear and tear costs
Brushes	56 mm spiral brushes with up to 150 rpm	Easy adjustment and good brushing
Process stations	Preheat, wash gum, optional extra gum, drying	Prepared for future plate technology changes
PreHeat	Hot Air Circulation PreHeat with energy saving and isolated Jet-Convector principle	Short warm up <9 min, stable preheating on plate surface, low heat emmission for highest throughput
Tank content of wash gum unit	100 l / 125 l / 160 l bath tank with optional extension, 2 brushes	Large tank volume for higher plate volume per wash gum filling
Top-up	With water by exact dispensing pump	Precise top-up with flow sensor
Dipping length	83 cm for 21 s dwell time at 240cm/min	High speed processing with secure plate distance
Clean Process Kit	Cleaning of plates after development	No pollution of following components and longer chemistry bath life
Optional extra gum unit	Optional gumming by spiral roller	Prepared for future plate technologies
Drying	High power cold air drying	No heat expansion from drying for better plate register
Energy consumption	1.9 kW (heat emission ø 1.5 kW)	Energy savings of up to 50%
Weight	765 kg / 825 kg / 945 kg empty	Robust construction for industrial usage
Measurements	1,172 mm (W) x 2,050 mm (L) x 1,220 mm (H) 1,372 mm (W) x 2,050 mm (L) x 1,220 mm (H) 1,772 mm (W) x 2,050 mm (L) x 1,220 mm (H)	Short machine design with a compact process
Flow Measurement	Flow Control Sensors in all circulation sections	Constant process for stable quality and less failed plates
Industry 4.0	Sensors for chemistry condition monitoring	Chemistry change if needed and not as per m^2 interval
Monitoring	Optional NetTrack module	Machine status monitoring via intranet
Remote service	NetCare/Service-Gateway	Worldwide remote service from Bielefeld via internet

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